## CLAIMS

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1. A COS treatment apparatus for a gasified gas containing  $H_2S$ ,  $H_2O$ ,  $O_2$ , and CO, which comprises an  $O_2$  removal catalyst and a COS conversion catalyst located on the downstream side of a gasified gas flow with respect to said  $O_2$  removal catalyst.

- 2. The COS treatment apparatus according to claim 1, wherein said  $O_2$  removal catalyst is a  $TiO_2$  catalyst carrying  $Cr_2O_3$  or  $NiO_2$ .
- 3. A COS treatment apparatus for a gasified gas containing  $H_2S$ ,  $H_2O$ ,  $O_2$ , and CO, which comprises a  $TiO_2$  catalyst carrying  $Cr_2O_3$ .

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- 4. The COS treatment apparatus according to claim 1, wherein said  $O_2$  removal catalyst is located in a higher-temperature region with respect to said COS conversion catalyst.
- 5. A COS treatment method for a gasified gas containing  $H_2S$ ,  $H_2O$ ,  $O_2$ , and CO, which comprises a first step of removing  $O_2$  by reaction with  $H_2S$  and CO, and a second step of converting COS to  $H_2S$ .
- 6. The COS treatment method according to claim 5, wherein a  $\text{TiO}_2$  catalyst carrying  $\text{Cr}_2\text{O}_3$  or NiO is used in said first step.
- 7. The COS treatment method according to claim 5, wherein a  $TiO_2$  catalyst carrying  $Cr_2O_3$  is used.

8. The COS treatment method according to claim 5, wherein said first step is performed at a higher temperature with respect to said second step.